

□if a English version is needed, please let me know□

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☐☐ ☐☐☐ email: gulifan@hotmail.com

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# ##### Turing Test #####

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**Nature**

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2)  Chinese room argument



Technological Singularity AlphaGo Zero superhuman Quantum Supremacy

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BRAIN Initiative

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# AlphaGo Zero Superhuman Quantum Supremacy

**Nature**

AlphaGo Zero 在 Nature 上超越 superhuman 的论文 [2] 中 AlphaGo 在围棋上战胜了人类历史上最强的棋手，这标志着人工智能在围棋领域取得了重大突破。

game Nature Quantum Supremacy [3]

Shor’s algorithm Quantum Supremacy

qubit NISQ noisy intermediate-scale quantum

Quantum Supremacy Sycamore NISQ noise noise noise

Sycamore AlphaGo Zero

Quantum Supremacy noise

Sycamore Sycamore 200 10000

Quantum Supremacy NISQ John Preskill [4]

Quantum Supremacy Quantum Supremacy Nature

Quantum Supremacy optimization machine learning NISQ noisy Sycamore

noisy

Quantum Supremacy

Nature Superhuman Quantum Supremacy

tensor

AlphaGo Zero Superhuman Quantum Supremacy “”





